

DEPARTMENT of ENVIRONMENTAL SERVICES
Water Division - Watershed Management Bureau

LAKE TROPHIC DATA

MORPHOMETRIC:

Lake:	BIG POND	Lake Area (ha):	4.61
Town:	MARLOW	Maximum Depth (m):	
County:	CHESHIRE	Mean Depth (m):	
River Basin:	CONNECTICUT	Volume (m ³):	
Latitude:	43°43'06" N	Relative depth:	
Longitude:	72°72'12" W	Shore Configuration:	
Elevation (ft):	1145	Areal water load (m/yr):	
Shore length (m):	800	Flushing Rate (yr ⁻¹):	
% Watershed Ponded:		P retention coeff.:	
Watershed Area (ha)		Lake Type	natural

<u>BIOLOGICAL:</u>		01-Apr-03
DOM. PHYTOPLANKTON (% TOTAL)	#1	
	#2	
	#3	
CHLOROPHYLL-A (ug/L)		
DOM. ZOOPLANKTON (% TOTAL)	#1	
	#2	
	#3	
ROTIFERS/LITER		
MICROCRUSTACEA/LITER		
ZOOPLANKTON ABUNDANCE (#/L)		
VASCULAR PLANT ABUNDANCE		
SECCHI DISK TRANSPARENCY (m)		
BOTTOM DISSOLVED OXYGEN (mg/L)		
BACTERIA (E. coli, #/100ml)	#1	
	#2	
	#3	

SUMMER THERMAL STRATIFICATION:

Depth of thermocline (m):
Hypolimnion volume (m³):
Anoxic Volume (m³):

<u>CHEMICAL:</u>		Lake: BIG POND				
		Town: MARLOW				
DEPTH (M)						
pH (units)						
A.N.C. (Alkalinity)						
NITRATE NITROGEN						
TOTAL KJELDHAL NITROGEN						
TOTAL PHOSPHORUS						
CONDUCTIVITY (umhos/cm)						
APPARENT COLOR (CPU)						
MAGNESIUM						
CALCIUM						
SODIUM						
POTASSIUM						
CHLORIDE						
SULFATE						
TN : TP						
CALCITE SATURATION INDEX						
All results in mg/L unless indicated otherwise						
<u>#Error</u>						
	D.O.	S.D.	PLANT	CHL	TOTAL	CLASS
	**	**	**	**	**	
<u>COMMENTS:</u>						
1. aka Upper Stillwater Pond. 2. This pond is a non-dammed wide spot in the Ashuelot River. It is considered to be a river and was removed from the list of lakes to survey.						

DEPARTMENT of ENVIRONMENTAL SERVICES
Water Division - Watershed Management Bureau

LAKE TROPHIC DATA

MORPHOMETRIC:

Lake: BLOOD BROOK Town: WOLFEBORO County: CARROLL River Basin: Latitude: Longitude: Elevation (ft) : Shore length (m): % Watershed Ponded: Watershed Area (ha)	Lake Area (ha): 5.66 Maximum Depth (m): Mean Depth (m): Volume (m³): Relative depth: Shore Configuration: Areal water load (m/yr): Flushing Rate (yr⁻¹): P retention coeff.: Lake Type artificial
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BIOLOGICAL:

01-Apr-03

DOM. PHYTOPLANKTON (% TOTAL)

#1

#2

#3

CHLOROPHYLL-A (ug/L)

DOM. ZOOPLANKTON (% TOTAL)

#1

#2

#3

ROTIFERS/LITER

MICROCRUSTACEA/LITER

ZOOPLANKTON ABUNDANCE (#/L)

VASCULAR PLANT ABUNDANCE

SECCHI DISK TRANSPARENCY (m)

BOTTOM DISSOLVED OXYGEN (mg/L)

BACTERIA (E. coli, #/100ml)

#1

#2

#3

SUMMER THERMAL STRATIFICATION:

Depth of thermocline (m):
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CHEMICAL:		Lake: BLOOD BROOK Town: WOLFEBORO															
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<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 35%;"> #Error </div> <div style="width: 60%; text-align: center;"> <table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">D.O.</th> <th style="padding: 5px;">S.D.</th> <th style="padding: 5px;">PLANT</th> <th style="padding: 5px;">CHL</th> <th style="padding: 5px;">TOTAL</th> <th style="padding: 5px;">CLASS</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">**</td> <td style="text-align: center; padding: 5px;">**</td> <td style="text-align: center; padding: 5px;">**</td> <td style="text-align: center; padding: 5px;">**</td> <td style="text-align: center; padding: 5px;">**</td> <td style="padding: 5px;"></td> </tr> </tbody> </table> </div> </div>						D.O.	S.D.	PLANT	CHL	TOTAL	CLASS	**	**	**	**	**	
D.O.	S.D.	PLANT	CHL	TOTAL	CLASS												
**	**	**	**	**													
COMMENTS: <div style="margin-top: 10px;"> 1. This is not a pond. It is a large sewage lagoon system for the town of Wolfeboro. It was removed from the list of lakes to survey. </div>																	